

(12) 按照专利合作条约所公布的国际申请

PCT/CN2003/000108

JUN 2005

(19) 世界知识产权组织
国际局



(43) 国际公布日:
2004年7月1日(01.07.2004)

PCT

(10) 国际公布号:
WO 2004/056072 A1

(51) 国际分类号: H04M /

(21) 国际申请号: PCT/CN2003/000108

(22) 国际申请日: 2003年1月30日(30.01.2003)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权: 02159105.9 2002年12月18日(18.12.2002) CN

(71) 申请人(对除美国以外的所有指定国): 海尔集团公司
(HAIER GROUP CORPORATION) [CN/CN]; 青岛
海尔通信有限公司(QINGDAO HAIER TELECOM
CO., LTD.) [CN/CN]; 中国山东省青岛市海尔路1号
海尔工业园内, Shandong 266101 (CN).

(72) 发明人; 及
(75) 发明人/申请人(仅对美国): 柴永森(CHAI, Yongsen)
[CN/CN]; 宋春光(SONG, Chunguang) [CN/CN];
李向吉(LI, Xiangji) [CN/CN]; 孙新涛(SUN, Xintao)
[CN/CN]; 中国山东省青岛市海尔路1号海尔工业园
内, Shandong 266101 (CN).

(74) 代理人: 北京银龙专利代理有限公司(DRAGON
INTERNATIONAL PATENT OFFICE); 中国北京市

朝阳区裕民路12号中国国际科技会展中心A1201号,
Beijing 100029 (CN).

(81) 指定国(国家): AE, AG, AL, AM, AT, AU, AZ, BA,
BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE,
DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO,
RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) 指定国(地区): ARIPO专利(GH, GM, KE, LS, MW,
MZ, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT,
BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB,
GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR),
OAPI专利(BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG)

根据细则4.17的声明:

— 发明人资格(细则4.17(iv))仅对美国

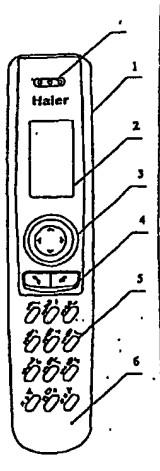
本国际公布:

— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期
PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: PEN-TYPE MOBILE TELEPHONE

(54) 发明名称: 笔式手机



(57) Abstract: A kind of pen-type mobile telephone, it comprises of: housing (1), display (2), button (3, 4, 5), earphone (7), etc. Its characteristic is: said pen-mode mobile telephone's housing has slightness bacilliform form; said display (2) is slimline type and longitudinal setting; in said housing (1), also include: printed circuit board (11), radio frequency module (12), fundamental frequency module (13) and SIM card joint device (14); it adopts more than 6 layer printed circuit board for said printed circuit board (11), its width is less than the width of housing (1); said the width of radio frequency module (12) and fundamental frequency module (13) is also less than the width of housing; faucet (9) of SIM card joint device is placed on the side of the housing; it adopts drawer type SIM card joint device for said SIM card joint device (14). The cubage of said housing (1) is less than the value of: length 140mm X width 35mm X thickness 23mm.

[见续页]

WO 2004/056072 A1

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN03/00108

A. CLASSIFICATION OF SUBJECT MATTER

H04M1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ H04M1/02 H04Q7/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE19958815A1 (MAUL H.) 21 JUN. 2001 See the whole document	1, 3~5, 7, 10~12
Y		2
X	WO9604620A1 (MICROBELL TECHNOLOGIES INC.) 15 FEB. 1996 See the whole document	1, 3~5, 7, 11, 12
A		6, 13
Y	CN1249645A (MOTOROLA INC.) 05 April. 2000 See the whole document	2

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search
28. May , 2003

Date of mailing of the international search report

19 JUN 2003 (19.06.03)

Name and mailing address of the ISA/CN
6 Xitucheng Rd., Jimen Bridge, Haidian District,
100088 Beijing, China
Facsimile No. 86-10-62019451

Authorized officer
LI HUI
Telephone No. 86-010-62093656



Form PCT/ISA /210 (second sheet) (July 1998)

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN03/00108

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE19958815A1	2001-6-21	NONE	
WO9604620A1	1996-02-15	WO9604620A	1996-02-15
		AU3237095A	1996-03-04
CN1249645A	2000-04-05	CN1249645A	2000-04-05
		FR2782817A	2000-03-03
		GB2341259AB	2000-03-08
		US6062887A	2000-05-16

国际检索报告

国际申请号

PCT/CN03/00108

A. 主题的分类

H04M1/02

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域

检索的最低限度文献(标明分类体系和分类号)

IPC⁷ H04M1/02 H04Q7/32

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称和, 如果实际可行的, 使用的检索词)

C. 相关文件

类型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
X	DE19958815A1 (MAUL H.) 2001年6月21日 (21.06.01) 全文	1, 3~5, 7, 10~12 2
X	WO9604620A1 (MICROBELL 技术公司) 1996年2月5日 (05.02.96)	1, 3~5, 7, 11, 12
A	全文	6, 13
Y	CN1249645A (摩托罗拉公司) 2000年4月5日 (05.04.00) 全文	2

 其余文件在 C 栏的续页中列出。 见同族专利附件。

* 引用文件的专用类型:

“A” 明确叙述了被认为不是特别相关的一般现有技术的文件

“B” 在国际申请日的当天或之后公布的在先的申请或专利

“L” 可能引起对优先权要求的怀疑的文件, 为确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件

“O” 涉及口头公开、使用、展览或其他方式公开的文件

“P” 公布日先于国际申请日但迟于所要求的优先权日的文件

“T” 在申请日或优先权日之后公布的在后文件, 它与申请不相抵触, 但是引用它是为了理解构成发明基础的理论或原理

“X” 特别相关的文件, 仅仅考虑该文件, 权利要求所记载的发明就不能认为是新颖的或不能认为是有创造性

“Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时, 权利要求记载的发明不具有创造性

“&” 同族专利成员的文件

国际检索实际完成的日期

2003/5/28

国际检索报告邮寄日期

19.6.2003 (19.06.03)

国际检索单位名称和邮寄地址

ISA/CN
中国北京市海淀区西土城路6号(100088)

受权官员

李卉

传真号: 86-10-62019451

电话号码: 86-10-62093656



国际检索报告
关于同族专利成员的情报

国际申请号
PCT/CN03/00108

检索报告中引用的专利文件	公布日期	同族专利成员	公布日期
DE19958815A1	2001-6-21	无	
WO9604620A1	1996-02-15	WO9604620A	1996-02-15
		AU3237095A	1996-03-04
CN1249645A	2000-04-05	CN1249645A	2000-04-05
		FR2782817A	2000-03-03
		GB2341259AB	2000-03-08
		US6062887A	2000-05-16